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## TRACK JUMP CONTROLLER

Patent Number: JP5234103

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Applicant(s): HITACHI LTD

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Application Number: JP19920035095 19920221

Priority Number(s):

IPC Classification: G11B7/085; G11B21/08

EC Classification:

Equivalents:

### Abstract

**PURPOSE:** To easily realize a stable jump without excess jump and deficient jump and with a constant jumping distance in the track jump device of an optical disk device.

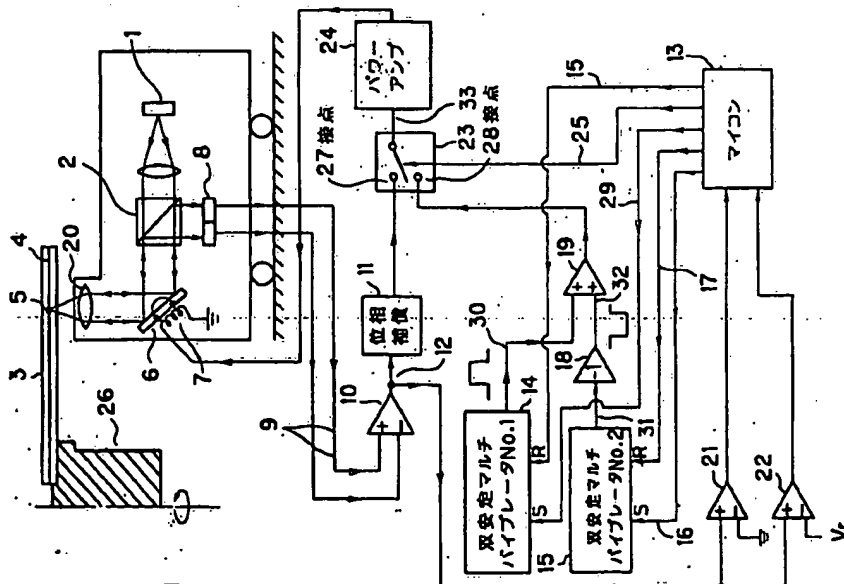
**CONSTITUTION:** The switch 23 is connected to a contact 27 before starting track jump operation and track servo loops 8, 10, 24, 7 are operated. When jump is started, the switch 23 is switched to the contact 28 and a rectangular wave driving pulse 30 continuing from the jump start of a light spot till an intermediate point to an adjacent track is detected (by a comparator 21) and the rectangular wave braking pulse 32 having an inverse polarity with the same size and continuing from the detection of the intermediate point till just before position of the central point of the adjacent track is detected and of the same magnitude are generated. The light spot is moved to the just before position by both pulses 30, 32 and thereafter the switch is switched to the contact 27 and the light spot is positioned on the adjacent track by a track deviation signal 12.



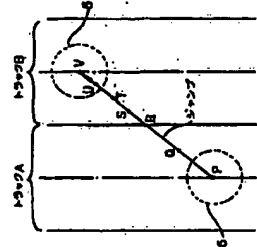


- 8 トラッキングずれ検出器  
9 トラッキングずれ検出器  
10 運動増幅器  
11 位置補償回路  
12 トラッキングずれ検出器  
13 マイコン  
14, 15 第1及び第2の双安定マルチバイブレータ  
18 反転増幅器  
19 加算アンプ
- 20 対物レンズ  
21, 22 コンパレータ  
23 切換スイッチ  
24 パワーアンプ  
25 切換命令  
26 スピンドル  
30 第1パルス (方形波運動パルス)  
32 第2パルス (方形波ブレーキパルス)

【図1】



【図2】



【図3】

【図3】

【図3】

